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MINERAL INDUSTRY SURVEYS

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COPPER IN JULY 1996

Average daily mine production declined by 5% from June's record high level, while daily primary refined production rose 5% from June's depressed level. Production of fire refined copper from scrap declined precipitously as a major producer curtailed operations for much of the month. Note that a major revision was made to the fire refined series for 1995 and 1996 that affects both the refined production (table 4) and the copper recoverable from scrap (table 5).

Consumption of refined copper in July, traditionally a low month, declined by about 10% from June's level, yet remained 11% above July 1995's level. Refined consumption through the first 7 months of 1996 was up by about 2% from that of the equivalent 1995 period. Assuming consumption for the second half of 1996 remains at current levels, consumption for the full year 1996 is projected to rise about 4% above the 1995 level. Stocks of refined copper, which had declined during the previous 2 months, rose in July, commensurate with the summer decline in demand. A shift in inventories

occurred with inventories held in domestic LME warehouses falling to the lowest level of the year, and inventories in Comex warehouses rising. This occurred despite a narrowing in the Comex price premium over the LME price that had existed since February.

Imports of refined copper for the first 6 months of 1996 were up by 60,000 tons, or 28%, from the equivalent 1995 period while exports declined by 65,000 tons, 46%. Consequently net imports of refined copper of 207,000 tons in the first half of 1996 were nearly triple those of the first half of 1995.

Volatility in copper prices, following revelation of Sumitomo's large trading losses in June, continued in July and throughout August and September. Though copper supplies remained tight, analysts believed that projected growth in copper supply over the next few years was having a dampening effect on current prices. As a result, copper prices continued their backwardation, with future copper contracts trading at a discount to spot prices.

${\bf TABLE~1}\\ {\bf SALIENT~STATISTICS~OF~THE~COPPER~INDUSTRY~IN~THE~UNITED~STATES~1/}$

(Metric tons, unless noted)

				1996	
	Source				January-
	table 2/	1995 p/	June	July	July
Production:		_		-	
Primary:					
Mine, recoverable	(2)	1,850,000	160,000 r/	157,000	1,080,000
Smelter 3/	(3)	1,240,000	107,000	106,000	734,000
Refinery:					
Electrolytic:					
Domestic	(4)	1,310,000	99,700	111,000	773,000
Foreign	(4)	77,300	5,180	8,090	63,400
Electrowon	(4)	539,000 r/	48,100	47,400	329,000
Total	(4)	1,930,000 r/	153,000	166,000	1,170,000
Secondary recoverable copper:					
Refineries	(5)	352,000 r/	30,900 r/	24,400	192,000
Ingot makers 4/	(5)	128,000	10,600	10,600	74,400
Brass and wire-rod mills	(5)	713,000	63,700	55,600	424,000
Foundries, etc.	(5)	58,500	4,880	4,880	34,100
Consumption:					
Total apparent	(8)	2,540,000 r/	232,000	NA	NA
Refined (reported)	(7)	2,530,000	219,000 r/	196,000	1,530,000
Purchased copper-base scrap	(9)	1,650,000	149,000	127,000	964,000
Stocks at end of period:					
Total refined	(11)	164,000	141,000	155,000	XX
Blister, etc.	(11)	174,000	158,000	148,000	XX
Prices:					
U.S. producer cathode					
(cents per pound)	(12)	138.333	107.828	94.007	116.303
Imports:					
Ores and concentrates 5/	(14)	127,000	24,300	NA	NA
Refined	(14)	429,000	44,600	NA	NA
Exports:					
Ores and concentrates 5/	(15)	239,000	13,800	NA	NA
Refined	(15)	217,000	10,700	NA	NA

p/ Preliminary. r/ Revised. NA Not available. XX Not applicable.

- 1/ Data are rounded to three significant digits, except prices; may not add to totals shown.
- 2/ Numbers in parentheses refer to the detailed tables where these data are located.
- $3/\,From$ domestic and foreign ores.
- $4/\,Data$ no longer collected monthly; 1995 and 1996 data estimated based on 1994 monthly average.
- 5/ Copper content.

 ${\bf TABLE~2}$ MINE PRODUCTION OF RECOVERABLE COPPER IN THE UNITED STATES 1/

(Metric tons)

	1995 p/ 2/									
State	June	July	August	September	October	November	December	Year total		
Arizona	101,000	98,700	100,000	102,000	104,000	101,000	105,000	1,190,000		
Others 3/	59,700	61,400	63,700	56,300	51,200	46,300	45,800	663,000		
Total	160,000	160,000	164,000	159,000	155,000	148,000	151,000	1,850,000		
-			-	-						

	1996								
State	January	February	March	April	May	June r/	July	Jan July	
Arizona	104,000	93,000	108,000	103,000	107,000	106,000	105,000	726,000	
Others 3/	47,800	45,000	52,200	50,700	50,500	53,800	52,500	352,000	
Total	152,000	138,000	160,000	154,000	157,000	160,000	157,000	1,080,000	

p/ Preliminary. r/ Revised.

- 1/ Data are rounded to three significant digits; may not add to totals shown.
- 2/ Monthly data and the 1995 "Year total" excludes production by companies reporting on an annual basis.
- 3/ Includes production from Idaho, Michigan, Missouri, Montana, Nevada, New Mexico, Utah, and Wisconsin.

 ${\bf TABLE~3} \\ {\bf COPPER~1/~PRODUCED~AT~SMELTERS~IN~THE~UNITED~STATES,~BY~SOURCE~2/} \\$

(Metric tons, copper content)

	Domestic and		
Period	foreign ores	Scrap	Total
1995: p/			
July	103,000	27,800	131,000
August	101,000	29,000	130,000
September	100,000	28,700	129,000
October	114,000	33,900	148,000
November	105,000	33,700	139,000
December	106,000	35,100	141,000
JanJul.	717,000	197,000	915,000
Year total	1,240,000	358,000	1,600,000
1996:			
January	113,000	29,200	142,000
February	108,000	29,800	138,000
March	101,000	33,300	134,000
April	105,000	28,200	133,000
May	94,300	30,600	125,000
June	107,000	30,400	137,000 r/
July	106,000	31,000	137,000
JanJul.	734,000	213,000	946,000

p/ Preliminary. r/ Revised.

 ${\bf TABLE~4}$ PRODUCTION OF REFINED COPPER, BY SOURCE AND METHOD OF RECOVERY 1/

(Metric tons)

		Primary m	aterials			Scrap		
	Electrolytic	cally			Electro-			
	refined	2/			lytically	Fire		Total
Period	Domestic 3/	Foreign	Electrowon	Total	refined 2/	refined	Total	refined
1995: p/								
July	106,000	6,510	44,300 r/	157,000	15,400	6,120 r/	21,500 r/	178,000 r/
August	110,000	8,440	47,500 r/	166,000	15,900	11,900 r/	27,800 r/	194,000 r/
September	105,000	6,570	48,100	160,000	16,300	11,900 r/	28,100 r/	188,000 r/
October	109,000	8,490	50,400 r/	168,000 r/	16,000	11,700 r/	27,700 r/	196,000 r/
November	116,000	6,330	49,600 r/	172,000 r/	16,100	12,900 r/	29,000 r/	201,000 r/
December	112,000	7,340	50,700 r/	170,000 r/	16,000	11,100 r/	27,100 r/	197,000 r/
JanJul.	758,000	40,100	293,000	1,090,000	134,000	78,000	212,000	1,300,000
Year total	1,310,000	77,300	539,000 r/	1,930,000 r/	215,000	137,000 r/	352,000 r/	2,280,000 r/
1996:								
January	117,000	11,300	47,300	176,000	14,300	13,400 r/	27,700 r/	204,000 r/
February	107,000	9,990	43,300	160,000	13,700	12,800 r/	26,400 r/	187,000 r/
March	112,000	9,570	45,700	167,000	14,200	14,000 r/	28,200 r/	196,000 r/
April	115,000	9,790	47,100	172,000	14,200	10,400 r/	24,700 r/	197,000 r/
May	112,000	9,500	50,400	172,000	16,900	12,700 r/	29,600 r/	201,000 r/
June	99,700	5,180	48,100	153,000	17,300	13,700 r/	30,900 r/	184,000 r/
July	111,000	8,090	47,400	166,000	18,100	6,310	24,400	191,000
JanJul.	773,000	63,400	329,000	1,170,000	109,000	83,300	192,000	1,360,000

p/ Preliminary. r/ Revised.

^{1/} Includes blister, anode and black copper from primary or secondary sources.

^{2/} Data are rounded to three significant digits; may not add to totals shown.

^{1/} Data are rounded to three significant digits; may not add to totals shown.

 $^{2/\,}Based$ on source of material at smelter level.

^{3/} Includes fire-refined copper.

${\bf TABLE~5}$ COPPER RECOVERABLE IN UNALLOYED AND ALLOYED FORM FROM PURCHASED COPPER-BASED SCRAP 1/

(Metric tons, copper content)

					Brass	and			
	Refineri	ies 2/	Ingot mal	xers 3/	wire-rod	l mills	Foundries	, etc. 4/	
Period	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	Total 5/
1995: p/									
July	5,160	16,300 r/	2,840	7,790	46,200	3,690	2,130	2,750	86,800 r/
August	9,750	18,100 r/	2,840	7,790	51,900	4,060	2,130	2,750	99,300 r/
September	9,160	19,000 r/	2,840	7,790	52,500	4,550	2,130	2,750	101,000 r/
October	9,500	18,200 r/	2,840	7,790	56,300	4,090	2,130	2,750	104,000 r/
November	10,100	18,900 r/	2,840	7,790	54,600	3,650	2,130	2,750	103,000 r/
December	8,870	18,200 r/	2,840	7,790	45,400	3,650	2,130	2,750	91,700 r/
Jan Jul.	64,300	148,000	19,900	54,500	403,000	29,300	14,900	19,200	753,000
Year total	112,000	240,000 r/	34,000	93,500	664,000	49,300	25,500	33,000	1,250,000 r/
1996:									
January	11,100	16,600 r/	2,840	7,790	59,400	3,350	2,130	2,750	106,000 r/
February	9,790	16,600 r/	2,840	7,790	54,000	2,980	2,130	2,750	98,900 r/
March	11,100	17,200 r/	2,840	7,790	57,600	2,660	2,130	2,750	104,000 r/
April	8,200	16,500 r/	2,840	7,790	57,400	4,240	2,130	2,750	102,000 r/
May	10,000	19,600 r/	2,840	7,790	59,100	4,230	2,130	2,750	108,000 r/
June	10,900	20,000 r/	2,840	7,790	58,800	4,960	2,130	2,750	110,000 r/
July	6,010	18,400	2,840	7,790	51,700	3,880	2,130	2,750	95,500
Jan Jul.	67,100	125,000	19,900	54,500	398,000	26,300	14,900	19,200	725,000

p/ Preliminary. r/ Revised.

- 1/ Data are rounded to three significant digits; may not add to totals shown.
- 2/ Electrolytically refined and fire-refined scrap based on source of material at smelter level.
- 3/ Data no longer collected monthly; 1995 and 1996 data estimated based on 1994 annual data.
- 4/ Estimate based on 1994 annual data.

 ${\bf TABLE~6}$ PRODUCTION, SHIPMENTS, AND STOCKS OF BRASS AND WIRE-ROD MILL SEMIFABRICATES 1/

(Metric tons, gross weight)

	Produ	ction	Shipr	nents	Stocks, en	d of period
Period	Brass mills	Wire rod mills	Brass mills	Wire rod mills	Brass mills	Wire rod mills
1995: p/						
July	94,400	136,000	99,300	138,000	48,000	73,100
August	114,000	148,000	113,000	163,000	49,100	58,500
September	116,000	163,000	116,000	163,000	49,600	57,600
October	120,000	161,000	118,000	154,000	51,300	64,900
November	113,000	143,000	118,000	141,000	46,400	67,300
December	105,000	134,000	98,600	132,000	52,500	69,100
Jan Jul.	851,000	1,070,000	867,000	1,070,000	XX	XX
Year total	1,420,000	1,820,000	1,430,000	1,820,000	XX	XX
1996:						
January	120,000	146,000	122,000	147,000	50,100	68,200
February	128,000	155,000	130,000	158,000	48,800	64,900
March	144,000	173,000	142,000	161,000	51,300	76,200
April	131,000	158,000	133,000	177,000	49,400	57,600
May	130,000 r/	174,000	129,000	166,000	51,000	65,200
June	136,000 r/	164,000 r/	132,000 r/	152,000 r/	54,900 r/	76,900
July	114,000	141,000	117,000	153,000	52,300	64,600
Jan Jul.	904,000	1,110,000	904,000	1,120,000	XX	XX

p/ Preliminary. r/ Revised. XX Not applicable.

^{5/} Does not include an estimate, based on reported 1994 data. This comprises a monthly average of 2,930 tons from new scrap and 2,340 tons from old scrap of copper recovered from scrap other than copper-base.

^{1/} Data are rounded to three significant digits; may not add to totals shown.

TABLE 7 CONSUMPTION OF REFINED COPPER 1/

(Metric tons)

Period and item	Wire rod mills	Brass mills 2/	Other plants 3/	Total
1995: p/				
July	143,000	30,600	3,920	177,000
August	171,000	43,500	3,920	219,000
September	169,000	44,400	3,920	218,000
October	163,000	44,000	3,920	211,000
November	150,000	44,400	3,920	198,000
December	132,000	40,700	3,920	176,000
JanJul.	1,160,000	316,000	27,400	1,500,000
Year total	1,950,000	533,000	47,000	2,530,000
1996:				
January	155,000	45,100	3,920	204,000
February	166,000	47,200	3,920	217,000
March	183,000	56,400	3,920	244,000
April	164,000	47,500	3,920	215,000
May	185,000	47,500 r/	3,920	236,000 r/
June	165,000 r/	49,600 r/	3,920	219,000 r/
July:				
Cathodes	148,000	27,500	1,120	177,000
Wire bars		W	W	W
Ingots and ingot bars		2,310	1,750	4,060
Cakes and slabs		6,870	W	6,870
Billets and other		7,010	1,060	8,060
Total	148,000	43,700	3,920	196,000
JanJul.	1,170,000	337,000	27,400	1,530,000

p/ Preliminary. r/ Revised. W Withheld to avoid disclosing company proprietary data; included in "Billets and other."

TABLE 8 U.S. APPARENT CONSUMPTION OF COPPER 1/

(Metric tons)

	Refined copper	Copper in	Net refined	Stock change	Apparent
Period	production	old scrap 2/	imports	during period	consumption
1995: p/					
July	157,000 r/	32,900 r/	15,200	28,000	177,000 r/
August	166,000	35,000 r/	15,200	9,190	207,000 r/
September	160,000	36,400 r/	16,500	6,270	207,000 r/
October	168,000 r/	35,200 r/	29,600	(2,050)	235,000 r/
November	172,000 r/	35,400 r/	31,900	5,380	234,000 r/
December	170,000 r/	34,800 r/	30,800	30,900	205,000 r/
JanJun.	1,090,000	235,000	72,200	(33,100)	1,430,000
Year total	1,930,000 r/	444,000 r/	211,000	44,500	2,540,000 r/
1996:					
January	176,000	32,900 r/	29,400	28,600	210,000 r/
February	160,000	32,500 r/	24,800	(21,100)	239,000 r/
March	167,000	32,700 r/	35,500 r/	(7,330)	243,000 r/
April	172,000	33,600 r/	37,300	11,000	232,000 r/
May	172,000	36,700 r/	46,000	(26,500)	281,000 r/
June	153,000	37,900 r/	33,900	(6,910)	232,000
July	166,000	35,200	NA	13,900	NA
JanJun.	1,000,000	206,000	207,000	(22,300)	1,440,000

p/ Preliminary. r/ Revised. NA Not available.

^{1/} Data are rounded to three significant digits; may not add to totals shown.

^{2/} In 1994, brass mills consumed 2,670 tons of refined lead, 652 tons of pig tin, 3,340 tons of refined nickel, and 90,700 tons of slab zinc.

^{3/} Estimated consumption by ingot makers, chemical plants, foundries, and miscellaneous manufacturers; based on 1994 annual data.

 $^{1/\,\}mbox{Data}$ are rounded to three significant digits; may not add to totals shown.

^{2/} Includes reported monthly production of copper from old scrap of copper-base and of non-copper-base materials and estimates for annual reporters based on 1994 data.

TABLE 9 CONSUMPTION OF PURCHASED COPPER-BASE SCRAP 1/

(Metric tons, gross weight)

	Smelter	S			Brass a	nd			
	and refiner	ries	Ingot mak	ers 2/	wire-rod m	ills 3/	Foundrie	s, etc. e/	Total scrap
Period	New scrap 2/	Old scrap	New scrap	Old scrap	New scrap	Old scrap	New scrap	Old scrap	used
1995: p/									
July	7,680	28,000	3,800	11,600	56,400	4,360	2,400	3,100	117,000
August	11,900	30,000	3,800	11,600	65,100	4,790	2,400	3,100	133,000
September	10,600	31,600	3,800	11,600	64,900	5,460	2,400	3,100	133,000
October	10,800	29,800	3,800	11,600	70,100	4,950	2,400	3,100	136,000
November	12,300	29,400	3,800	11,600	68,300	4,380	2,400	3,100	135,000
December	10,100	31,800	3,800	11,600	57,100	4,460	2,400	3,100	124,000
Jan Jul.	72,700	232,000	26,600	81,100	501,000	35,300	16,800	21,700	988,000
Year total	128,000	385,000	45,600	139,000	827,000	59,400	28,800	37,200	1,650,000
1996:									
January	12,600	26,600	3,800	11,600	74,300	4,100	2,400	3,100	138,000
February	10,700	28,200	3,800	11,600	68,200	3,830	2,400	3,100	132,000
March	11,700	32,200	3,800	11,600	72,300	3,570	2,400	3,100	141,000
April	9,680	26,800	3,800	11,600	71,900	5,000	2,400	3,100	134,000
May	10,800	31,400	3,800	11,600	74,500	5,100	2,400	3,100	143,000
June	13,200	36,300	3,800	11,600	73,600	5,100	2,400	3,100	149,000
July	8,120	27,700	3,800	11,600	65,800	4,790	2,400	3,100	127,000
Jan Jul.	76,800	209,000	26,600	81,100	500,000	31,500	16,800	21,700	964,000

e/ Estimated. p/ Preliminary.
1/ Data are rounded to three significant digits; may not add to totals shown.

^{2/} Data for 1995 and 1996 is estimated from 1994 annual data.

^{3/} Consumption at brass and wire-rod mills assumed equal to receipts.

${\it TABLE~10} \\ {\it CONSUMPTION~OF~PURCHASED~COPPER-BASE~SCRAP~1/~2/} \\$

(Metric tons, gross weight)

	1995	5 p/		1996		
Scrap type and processor	JanJul.	Year total	May	June	July	JanJul.
No. 1 wire and heavy:						
Smelters and refiners	87,500	145,000	12,200	13,500	5,600	77,400
Brass and wire-rod mills	226,000	375,000	33,000 r/	32,500 r/	27,400	214,000
No. 2 mixed heavy and light:						
Smelters and refiners	123,000	210,000	17,800	22,200	16,500	118,000
Brass and wire-rod mills	22,400	33,400	3,470	3,800	2,640	21,400
Total unalloyed scrap:						
Smelters and refiners	211,000	355,000	29,900	35,700	22,100	195,000
Brass mills	249,000	408,000	36,400 r/	36,300 r/	30,000	236,000
Red brass: 3/						
All plants	14,800	24,500	1,920	1,930	1,930	13,800
Leaded yellow brass:						
All plants	211,000	346,000	33,200	32,600	31,800	220,000
Yellow and low brass:						
Smelters and refiners	(4/)	(4/)	(4/)	(4/)	(4/)	(4/)
Brass mills	26,200	47,500	4,150	4,240	3,950	30,100
Cartridge cases and brass:						
Smelters and refiners						
Brass mills	30,800	49,400	3,830	3,930	2,240	26,300
Auto radiators:						
Smelters and refiners	11,300	19,400	1,620 r/	1,620	1,620	11,300
Bronzes:						
Smelters and refiners						
Brass mills	6,630	11,300	811	905	555	6,240
Nickel-copper alloys:						
Smelters and refiners						
Brass mills	9,960	17,700	1,470	1,010	1,490	11,800
Low grade & residues:						
Smelters and refiners	47,700	80,900	5,300	6,960	7,210	44,800
Other alloy scrap: 5/						
Smelters and refiners	23,800	39,200	3,870	3,720	3,330	23,800
Brass mills	2,320	3,920	285	428	476	2,760
Total alloyed scrap:						
Smelters and refiners	96,100	162,000	12,700	14,200	14,100	93,200
Brass mills	288,000	478,000	44,200	43,200	40,500	298,000
Total scrap:						
Smelters and refiners	307,000	517,000	42,600	49,900	36,100	288,000
Brass and wire-rod mills	537,000	886,000	80,600 r/	79,400 r/	70,600	534,000
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p/ Preliminary. r/ Revised.

^{1/} Does not include: consumption by ingot makers, foundries, chemical plants and miscellaneous manufacturers, estimated to total about 20,800 tons of scrap per month in 1995; consumption of home scrap at brass mills which averaged 57,200 tons per month in 1994; includes estimated consumption of 337 tons per month by several copper smelting plants that reported only on an annual basis in 1995.

 $^{2/\,}Data$ are rounded to three significant digits; may not add to totals shown.

^{3/} Includes composition turnings, silicon bronze, zincy bronze, railroad car boxes, cocks and faucets, gilding metal and commercial bronze.

^{4/} Withheld to avoid disclosing company proprietary data; included in "Other alloy scrap."

^{5/} Includes refinery brass, beryllium copper, phosphor copper and aluminum bronze.

TABLE 11 COPPER STOCKS AT END OF PERIOD 1/

(Metric tons)

				Refine	ed copper			
	Crude		Wire rod					Total
Period	copper 2/	Refineries 3/	mills 3/	Brass mills 3/	Other 4/	Comex 5/	LME 6/	refined
1995: p/								
July	184,000	36,800	29,000	14,700	4,100	15,100	14,300	114,000
August	176,000	36,200	27,900	12,000	4,100	14,900	28,000	123,000
September	170,000	38,500	24,900	11,500	4,100	10,100	40,300	129,000
October	180,000	39,600	24,900	12,100	4,100	5,540	41,200	127,000
November	170,000	37,900	26,700	11,700	4,100	4,900	47,500	133,000
December	174,000	38,000	24,800	7,110	4,100	21,500	68,200	164,000
1996:								
January	172,000	35,700	34,500	10,400	4,100	11,000	96,700	192,000
February	174,000	31,900	22,600	11,200	4,100	11,700	89,600	171,000
March	150,000	33,800	19,500	9,820	4,100	12,600	84,000	164,000
April	167,000	35,800	25,500	11,300	4,100	18,800	79,400	175,000
May	163,000	35,700	19,200	9,720	4,100	12,000	67,500	148,000
June	158,000	34,600	13,100	12,200	4,100	6,880	70,400	141,000
July	148,000	33,000	29,900	13,400	4,100	16,100	58,700	155,000

p/ Preliminary.

- 1/ Data are rounded to three significant digits; may not add to totals shown.
- 2/ Copper content of blister and other materials in transit and in process of refining.
- 3/ Stocks of refined copper as reported; no estimates are made for non-respondents.
- 4/ Monthly estimates based on reported and 1994 annual data, comprising stocks at secondary smelters, chemical plants, foundries, and miscellaneous manufacturers.
- 5/ Commodity Exchange Inc., New York.
- 6/ London Metal Exchange Ltd., U.S. warehouses.

TABLE 12 AVERAGE PRICE OF COPPER IN THE UNITED STATES AND ON THE LONDON METAL EXCHANGE

(Cents per pound)

	U.S. producers deli	vered price	Comex	L.M.E. cash price
Period	Cathode 1/	Wirebar 2/	first position 3/	Grade A
1995:				
July	141.383	150.003	138.003	139.461
August	141.128	149.774	137.774	137.718
September	135.518	144.138	132.138	132.216
October	131.380	139.995	127.996	127.582
November	139.860	148.500	136.500	134.986
December	135.103	143.778	131.778	132.683
Average	138.333	146.724	134.717	133.122
1996:				
January	121.431	130.090	118.091	118.622
February	120.020	128.668	116.668	115.077
March	121.540	130.200	118.200	116.140
April	122.628	131.286	119.286	117.707
May	126.667	135.327	123.327	120.527
June	107.828	116.538	104.488	98.447
July	94.007	102.693	90.667	90.006
Average	116.303	124.972	112.961	110.932

^{1/} Listed as "U.S. producer cathode."

^{2/} Listed as "Electrolytic wirebar (Warrenton Refining Co.)."

^{3/} Listed as "Comex high grade first position."

TABLE 13 NEW YORK AVERAGE BUYING PRICES FOR COPPER SCRAP

(Cents per pound)

			Dealers (Nev	v York)
	Brass mills	Refiners		Red brass turnings
Month	No. 1 scrap	No. 2 scrap	No. 2 scrap	and borings
1995:				
July	126.07	109.62	94.05	66.58
August	126.68	110.77	95.00	68.00
September	122.59	105.99	94.10	68.00
October	120.17	104.50	92.27	67.00
November	125.91	106.96	91.80	66.00
December	120.89	103.96	92.00	66.00
Average	123.28	104.73	91.26	63.38
1996:				
January	112.46	95.09	87.98	57.86
February	111.85	93.83	89.75	57.00
March	113.06	96.54	92.53	57.66
April	114.20	96.99	84.43	58.00
May	116.25	97.10	84.59	57.84
June	96.95	83.00	77.85	55.35
July	88.58	69.76	64.43	46.79
Average	107.62	90.33	83.08	55.79

Source: American Metal Market.

 ${\it TABLE~14}\\ {\it U.S.~IMPORTS~FOR~CONSUMPTION~OF~COPPER~(UNMANUFACTURED),~BY~CLASS~1/}$

(Metric tons, copper content)

	Ore	and concer	ntrate	Matte, as	sh and prec	ipitates	pitates Blister and anodes			Refined			
Country or		19	96		199	96		19	96		199	1996	
territory	1995	Jun.	JanJun.	1995	Jun.	JanJun.	1995	Jun.	JanJun.	1995	Jun.	JanJun.	
Brazil										15,500		11,600	
Canada	(2/)	4,370	4,370	590	112	162	40,000	(2/)	2,610	283,000	30,300	184,000	
Chile	80,400	19,900	52,400				38,000	8,830	28,800	29,100	7,680	36,000	
Germany										12,300		(2/)	
Japan				4			(2/)			7,740	536	1,280	
Kazakstan											1,000	2,110	
Malaysia				55	2	79							
Mexico	11,700		275	2,190	62	1,120	2,350	4,030	18,300	58,600	1,180	20,000	
Peru	34,900						10,400			9,860	3,700	22,100	
Russia										11,600		4,360	
South Africa	1			11					638	2			
Spain							3,260		1,730				
Taiwan				1	5	19							
Other	1	3	3	2		1			1	618	170	2,520	
Total	127,000	24,300	57,100	2,860	181	1,380	94,100	12,900	52,100	429,000	44,600	284,000	

^{1/} Data are rounded to three significant digits; may not add to totals shown.

2/ Less than 1/2 unit.

 ${\bf TABLE~15} \\ {\bf U.S.~EXPORTS~OF~COPPER~(UNMANUFACTURED),~BY~CLASS~1/}$

(Metric tons, copper content)

	Ore	Ore and concentrate			sh and precip	oitates	Blister and anodes			Refined		
Country or		1996	j		199	96		199	6		199	6
territory	1995	Jun.	JanJun.	1995	Jun.	JanJun.	1995	Jun.	JanJun.	1995	Jun.	JanJun.
Belgium	1,980			1,330		3	81			2,260	9	35
Canada	123,000	3,370	43,900	30,400	3,060	18,800	24,800	1,070	10,300	22,900	2,670	14,200
China	37,100	10,400	51,800	17			211		20	5,130		
Germany				152			84	57	321	629	10	61
Hong Kong			16	48		29	650	59	372	4,710	93	377
India				151		271	36			138		7
Italy			8				245	59	424	1,580	65	2,150
Japan	53,500		5,530	1,880	40	1,660	363	55	387	52,800	1,690	11,800
Korea, Republic of	5,520		2	10		10	1,440		420	11,200		1,510
Malaysia										4,110	73	4,400
Mexico	160	15	2,340	763	52	237	219	54	212	2,710	9	2,550
Peru	1,180		1,750	9								129
Philippines	16,000						20		8	3		
Singapore				18			39	3	40	12,700	501	1,020
Taiwan				201			137		161	75,000	2,090	21,800
Thailand	_ 34						124		58	18,700	3,430	16,200
Venezuela							860		6	27		20
Other	341	48	218	69	8	206	190		188	2,890	24	536
Total	239,000	13,800	105,000	35,100	3,160	21,200	29,500	1,350	13,000	217,000	10,700	76,700

^{1/} Data are rounded to three significant digits; may not add to totals shown.

TABLE 16 U.S. COPPER SCRAP TRADE 1/

(Metric tons, gross weight)

			Import	s			Exports						
	Unalloyed				Alloyed		Unalloyed			Alloyed			
Country or		19	96		19	96		19	96			1996	
territory	1995	Jun.	JanJun.	1995	Jun.	JanJun.	1995	Jun.	JanJun.	1995	Jun.	JanJun.	
Belgium	11			294			2,730	1,620	2,840	32			
Canada	36,600	2,990	19,300	64,600	4,180	29,700	110,000	8,870	56,000	30,300	2,190	14,400	
Chile	9,270	1,740	5,740	66		110						3	
China				21	1	62	28,000	1,140	7,420	7,380	247	1,110	
Colombia	325	26	407	1,280	235	1,930							
Costa Rica	848	307	723	524	66	199							
Dominican Republic	702	6	242	1,860	189	1,150							
Germany		(2/)	3	64	3	45	1,580		291	1,190	80	388	
Hong Kong				23		111	31,400	2,760	16,300	7,810	703	4,260	
India							7,100	1,040	3,380	25,400	1,200	8,760	
Japan				124	(2/)	2	20,100	1,860	8,090	3,870	402	1,630	
Korea, Republic of				14			10,300	610	3,440	1,480	52	193	
Mexico	32,800	2,200	15,900	50,500	3,630	25,300	6,470	328	2,390	37			
Panama	1,170	79	436	776	60	537							
Switzerland							17	508	508	56			
Taiwan		3	32	2,940	147	812	1,680	99	383	832	59	459	
Thailand				8	16	36			17	827	60	322	
United Kingdom	111			201	154	612	338		71	309		21	
Venezuela	3,260	240	1,960	2,860	228	1,610							
Other	2,990 r/	178	2,210	7,400 r/	587	4,540	3,570 r/	115	376	1,120 r/	35	279	
Total	88,100	7,770	47,000	134,000	9,490	66,800	223,000	18,900	101,000	80,600	5,030	31,800	

r/ Revised.

^{1/} Data are rounded to three significant digits; may not add to totals shown.

^{2/} Less than 1/2 unit.

TABLE 17 U.S. IMPORTS OF COPPER SULFATE 1/

(Gross weight, metric tons)

				199	6		
		First		Year to			
Country or territory	1995	quarter	April	May	June	Total	date
Canada	1,960	979	241	550	317	1,110	2,090
Chile	250			41	41	83	83
China	68	78	100	140	140	380	458
Israel	1,680	231	82	61	102	245	477
Mexico	5,570	2,480	651	1,100	801	2,550	5,030
Netherlands	542						
Peru	579	98	118	60	118	296	394
Poland	404						
Russia	333	8					8
South Africa	736						
Other	289 r/	22 r/	12	5	2	19	41
Total	12,400	3,890	1,200	1,950	1,520	4,680	8,570

r/ Revised.

Source: Bureau of the Census.

TABLE 18 U.S. EXPORTS OF COPPER SULFATE 1/

(Gross weight, metric tons)

				1996			
		First			Year to		
Country or territory	1995	quarter	April	May	June	Total	date
Belgium		21					21
Canada	2,870	799	247	254	85	586	1,390
Chile	33						
Colombia	62						
Denmark				7		7	7
Dominican Republic		9					9
Honduras	43	6	20			20	26
Hong Kong	2						
Pakistan				5		5	5
Qatar				4		4	4
Other	69 r/	10 r/		2		2	12
Total	3,080	845	266	272	85	624	1,470

r/ Revised.

 $^{1/\,\}mbox{Data}$ are rounded to three significant digits; may not add to totals shown.

 $^{1/\,\}mbox{Data}$ are rounded to three significant digits; may not add to totals shown.